



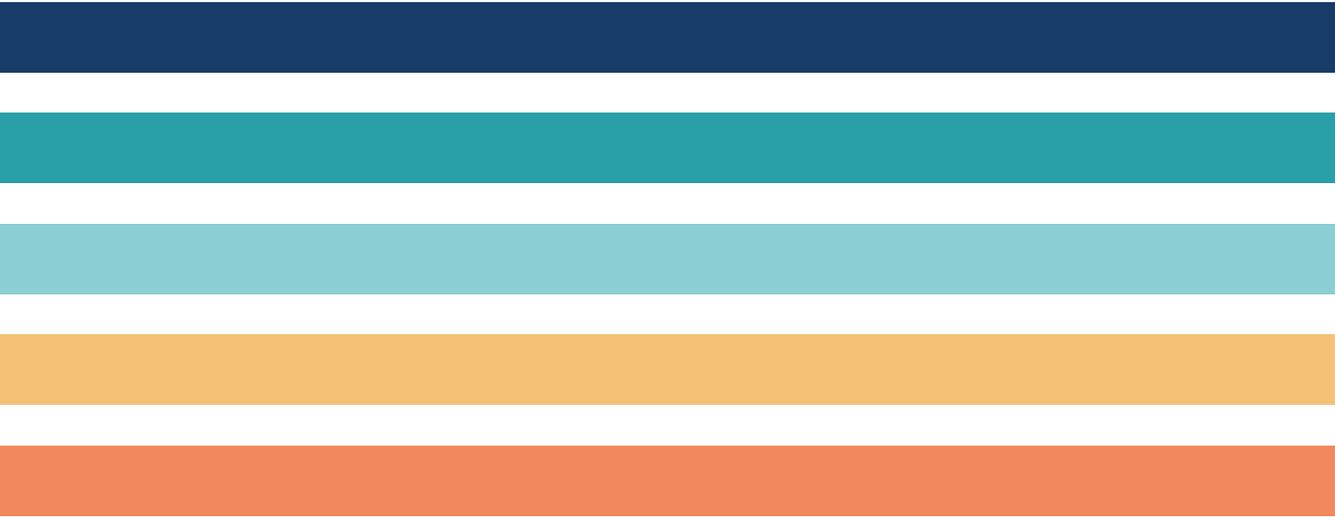
# JUSTICE ADMINISTRATION DEPARTMENT



## USER GUIDE

*Harris County Traffic Stop Dashboard*

*June 11th, 2021*



# HARRIS COUNTY TRAFFIC STOP DASHBOARD GUIDE

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## I. ABOUT

On June 9th, 2020, Commissioners Court passed a motion for the Harris County Justice Administration Department to analyze existing racial profiling data produced by law enforcement (Supplemental Item 18). JAD received data from the Texas Commission on Law Enforcement (TCOLE), which resulted in two efforts to address the motion: a report presented to Commissioners Court and this dashboard. The dashboard's purpose is to allow users to see various metrics of the different outcomes and possibilities during a traffic stop. While the dashboard's focus is Harris County, data across Texas can be seen as received from TCOLE.

The dashboard is available on the JAD website on the data page:

<https://jad.harriscountytexas.gov/data>

## II. TRAFFIC STOP DATA

Traffic Stop Data is received from the Texas Commission on Law Enforcement website, which is available for public use. Law Enforcement Agencies collect and report incident-based data in accordance with the Code of Criminal Procedure Article 2.131 – 2.138. For more information, visit: <https://www.tcole.texas.gov/content/racial-profiling-reports>

Law Enforcement Agencies submit the data by March 1st of each year, along with additional information about the agency. Agencies can file the full report or be exempt from a full report if the agency falls under the appropriate guidelines as stated by TCOLE. Agencies under exempt status may not have all categories, gender, or race breakdowns.

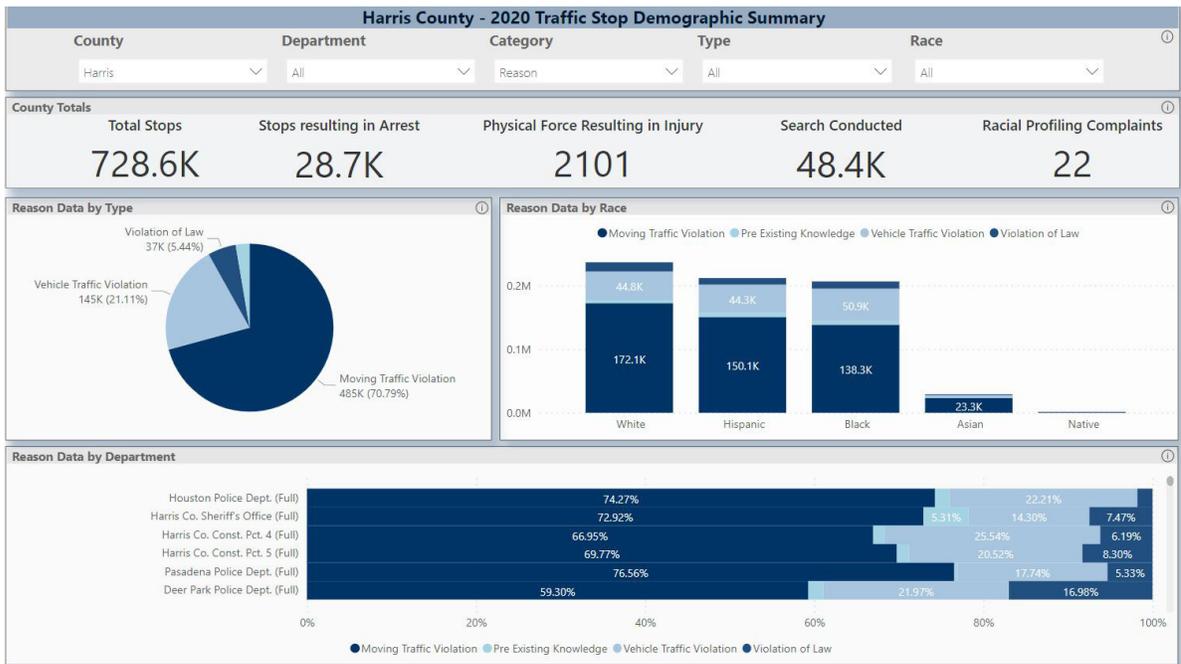
Data falls into different categories and can include gender or racial demographic information based on each category:

CATEGORY	TYPE	RACE
Arrest	City Ordinance	Y
Arrest	Penal	Y
Arrest	Traffic	Y
Arrest	Warrant	Y
Complaints	Disciplinary No	N
Complaints	Disciplinary Yes	N
Contraband	Alcohol	Y
Contraband	Currency	Y
Contraband	Drugs Paraphernalia	Y
Contraband	Other	Y
Contraband	Stolen Property	Y
Contraband	Weapons	Y
Contraband Discovered	Arrested	Y

Contraband Discovered	Not Arrested	Y
Location	City Street	N
Location	Country Road	N
Location	Private Property Other	N
Location	State Highway	N
Location	US Highway	N
No Contraband Discovered	All	Y
Physical Force	No	Y
Physical Force	Yes	Y
Physical Force Bodily Injury	Suspect	N
Physical Force Bodily Injury	Both	N
Physical Force Bodily Injury	Officer	N
Race Breakdown	All	Y
Race Known	No	N
Race Known	Yes	N
Reason	Moving Traffic Violation	Y
Reason	Pre Existing Knowledge	Y
Reason	Vehicle Traffic Violation	Y
Reason	Violation of Law	Y
Result	Arrest	Y
Result	Citation	Y
Result	Citation Arrest	Y
Result	Verbal	Y
Result	Written	Y
Result	Written Arrest	Y
Search Conducted	No	Y
Search Conducted	Yes	Y
Search Reason	Consent	Y
Search Reason	Contraband	Y
Search Reason	Incident to Arrest	Y
Search Reason	Inventory	Y
Search Reason	Probable	Y
Traffic Stop	Female	Y
Traffic Stop	Male	Y

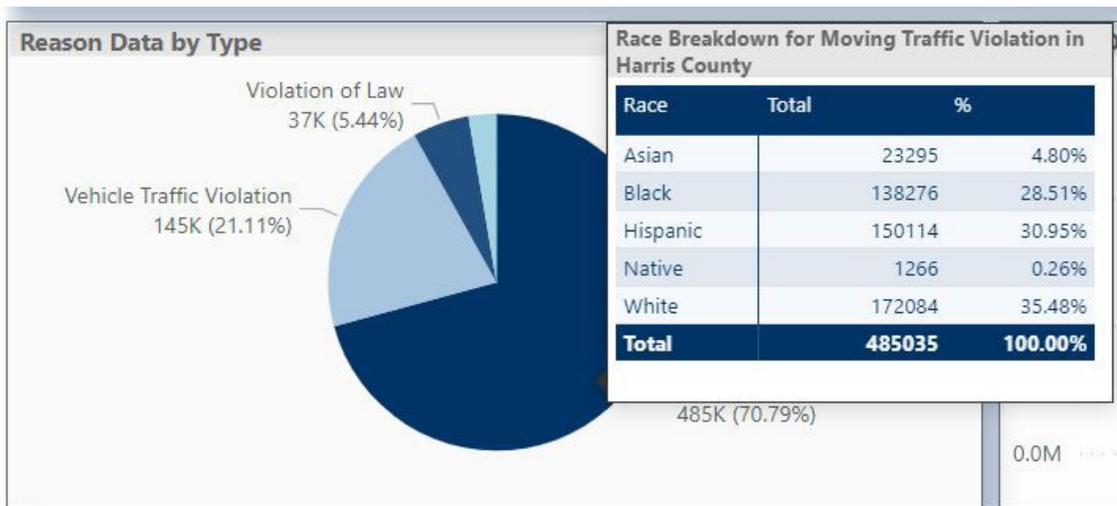
While the data is as complete as possible, missing data and irregularities are present in the data. Counts and values under a certain category may not line up when summing a total. The data in the dashboard has not been updated to align totals and is presented as it was received from TCOLE.

### III. COUNTY SUMMARY

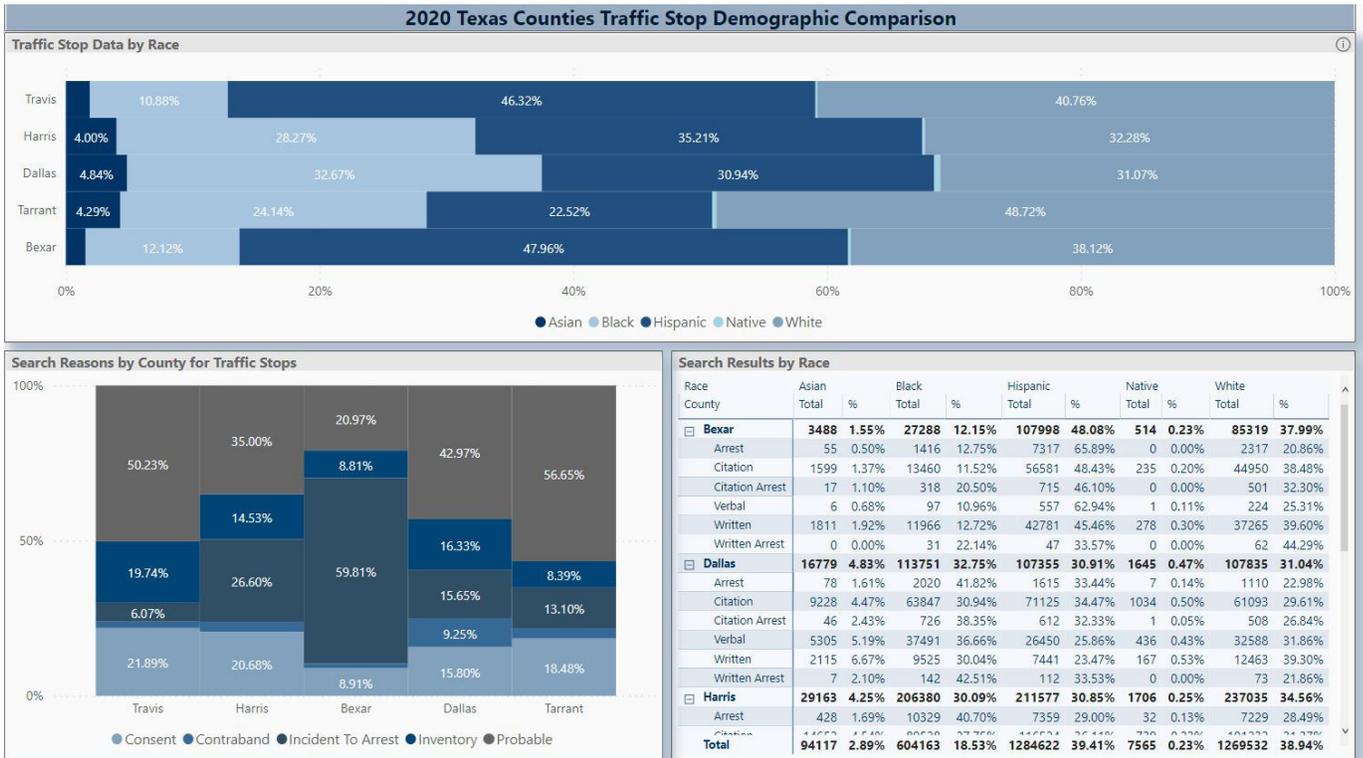


The County Summary provides the user with important counts and metrics while allowing the flexibility to select counties, departments, categories, type, and race filters.

- County Totals show important totals at a high level for the county selected.
- Category by Type shows a pie graph separated by the different types reported.
- Category by Department shows a deeper look at the counts and percentages reported by each Department.
- Category by Race shows a breakdown of the category by race and the different types associated
- For the Category by Type and Category by Department, the dashboard can show a breakdown by the race (if exists) by hovering over a section of the bar or pie chart:

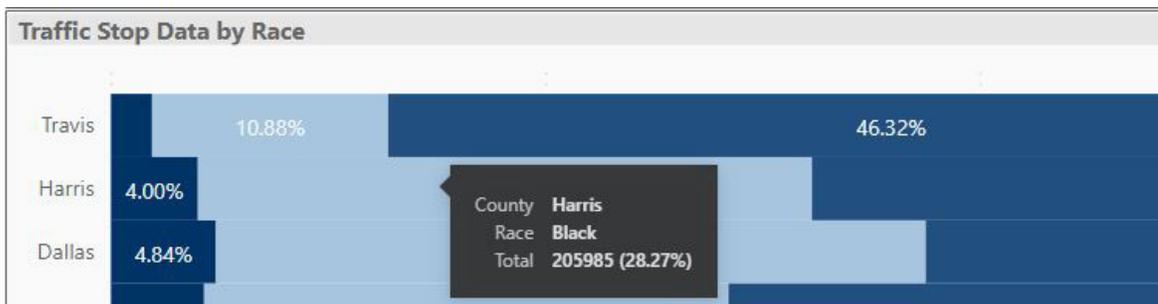


# IV. COUNTY COMPARISON



The County Comparison provides a snapshot at Harris County as compared to other large counties in Texas. While there are no filters on this page, the value of the 3 graphs lies in comparing counties side-by-side for analysis.

- Traffic Stop Data by Race shows percentages of persons who are stopped and the racial make-up. The user can hover over a section to see the count behind the percentage:



- Search Reasons by County for Traffic Stops provides a breakdown of the various reasons a person was searched during their traffic stop.



Hovering over a section of the chart will show a race breakdown for the selected type.

- Search Results by Race shows details on the different outcomes of a Traffic Stop. The percentages are for the breakdown by row:

Search Results by Race										
Race	Asian		Black		Hispanic		Native		White	
County	Total	%	Total	%	Total	%	Total	%	Total	%
Verbal	5305	5.19%	37491	36.66%	26450	25.86%	436	0.43%	32588	31.86%
Written	2115	6.67%	9525	30.04%	7441	23.47%	167	0.53%	12463	39.30%
Written Arrest	7	2.10%	142	42.51%	112	33.53%	0	0.00%	73	21.86%
<b>Harris</b>	<b>29163</b>	<b>4.25%</b>	<b>206380</b>	<b>30.09%</b>	<b>211577</b>	<b>30.85%</b>	<b>1706</b>	<b>0.25%</b>	<b>237035</b>	<b>34.56%</b>
Arrest	428	1.69%	10329	40.70%	7359	29.00%	32	0.13%	7229	28.49%
Citation	14652	4.54%	89528	27.75%	116524	36.11%	739	0.23%	101232	31.37%
Citation Arrest	154	2.21%	2563	36.85%	1988	28.58%	6	0.09%	2245	32.27%
Verbal	5404	3.10%	64138	36.85%	42580	24.46%	567	0.33%	61378	35.26%
Written	8518	5.45%	39680	25.37%	43017	27.51%	362	0.23%	64805	41.44%
Written Arrest	7	1.73%	142	35.15%	109	26.98%	0	0.00%	146	36.14%
<b>Tarrant</b>	<b>12346</b>	<b>4.30%</b>	<b>70211</b>	<b>24.43%</b>	<b>63521</b>	<b>22.10%</b>	<b>964</b>	<b>0.34%</b>	<b>140385</b>	<b>48.84%</b>
Arrest	94	1.88%	2232	44.60%	1315	26.27%	5	0.10%	1359	27.15%
Citation	6044	4.21%	32864	22.91%	36111	25.17%	475	0.33%	67975	47.38%
Citation Arrest	14	0.90%	399	25.61%	349	22.40%	2	0.13%	794	50.96%
Verbal	3663	4.77%	25334	32.98%	17721	23.07%	200	0.26%	29887	38.91%
Written	2525	4.19%	9301	15.45%	7955	13.21%	282	0.47%	40144	66.68%
Written Arrest	6	1.57%	81	21.15%	70	18.28%	0	0.00%	226	50.01%
<b>Total</b>	<b>94117</b>	<b>2.89%</b>	<b>604163</b>	<b>18.53%</b>	<b>1284622</b>	<b>39.41%</b>	<b>7565</b>	<b>0.23%</b>	<b>1269532</b>	<b>38.94%</b>

The highlighted row above reads: There were 14,652 Asians who received a citation in Harris County in 2020. The 14,652 is 4.54% of all race receiving a citation in Harris County in 2020 from a Traffic Stop.

# V. DATA DETAILS

**Harris County - 2020 Traffic Stop Demographic Data**

County: Harris | Department: All | Category: All | Type: All | Race: All

Category	All	Asian	Black	Hispanic	Native	White	Total
<b>Arrest</b>							
City Ordinance		4	90	99	0	83	276
Penal	341	7325	5928	23	5370		18987
Traffic	84	1285	1311	9	920		3609
Warrant		54	2875	1263	8	1582	5782
<b>Complaints</b>							
Disciplinary No	22						22
Disciplinary Yes	0						0
<b>Contraband</b>							
Alcohol		20	411	990	2	551	1974
Currency	7	102	56	0	51		216
Drugs Paraphernalia	130	4940	2533	16	3011		10630
Other	46	1222	811	3	1126		3208
Stolen Property	11	444	186	2	215		858
Weapons	34	1662	610	1	460		2767
<b>Contraband Discovered</b>							
Arrested	81	3048	1552	17	1812		6510
Not Arrested	141	4932	3107	4	3061		11245
<b>Location</b>							
City Street	400051						400051
County Road	22734						22734
Private Property Other	11298						11298
State Highway	169103						169103
US Highway	82228						82228
<b>No Contraband Discovered</b>							
All	9980	94551	90852	666	73656		269705
<b>Physical Force</b>							
No	50865	185089	185256	1450	230202		652862
Yes	30	1112	442	5	512		2101

**Key Metrics**

**Arrest Percentage**

Total Stops: 100%

Total Arrests: 28654 (3.9%)

**Arrests by Race**

- Black: 12K
- Hispanic: 9K
- White: 8K
- Asian: 0K
- Native: 0K

**Relative Rate Index - Hispanic**

Metric	Asian	Black	Hispanic	Native	White
Traffic Stops	1.09				
Physical Force	0.86				
Search Conducted	1.05				
Arrest	1.08				

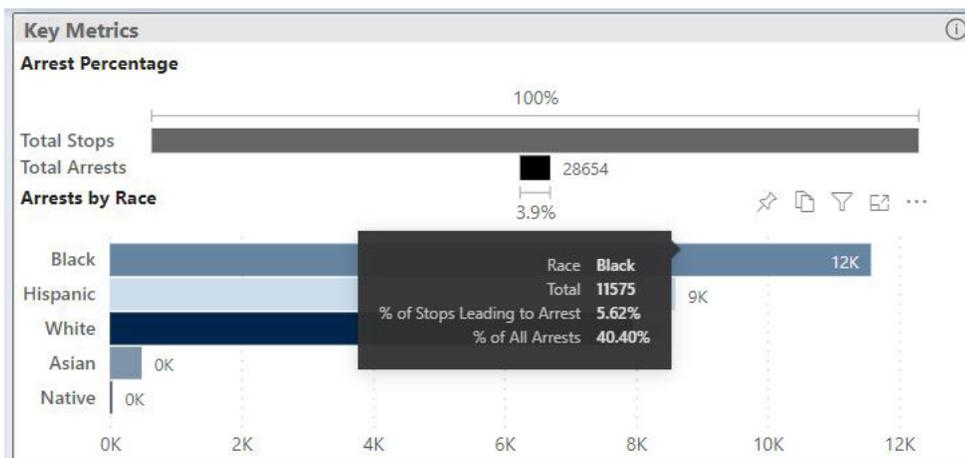
Relative Rate Index (RRI) compares the rate for persons identified as white to the rate for each racial group. The corresponding number provides a number to measure disparities among different racial groups.

$\frac{\# \text{ of racial group}}{\# \text{ of white reference group}}$

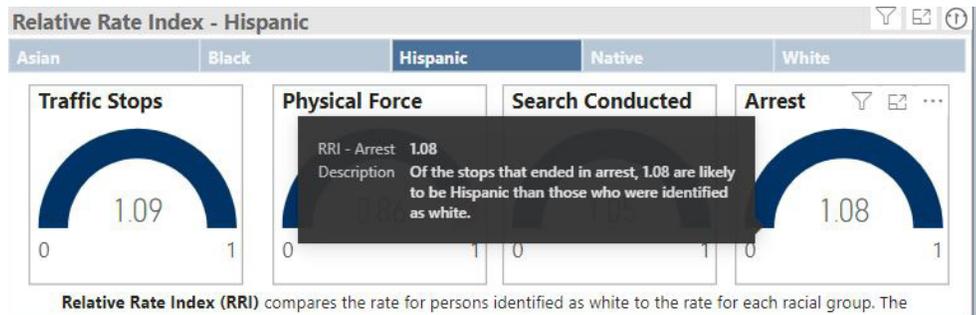
<1 - Activity for selected racial group is less likely as compared to the reference group  
 1.0 - Neither group is more or less likely  
 >1 - Activity for selected racial group is more likely as compared to the reference group

The data details page allows for more flexibility to find the data points desired. Users can select counties and departments to see counts for all categories and types. Or the user can select categories, types, and races to drill down into a specific view of the data.

- Traffic Stop Data Table shows the counts as reported to TCOLE. There is an All and Race breakdown, the race counts will be shown if they exist for the category, otherwise, all will show the total.
- Key Metrics focuses on important metrics for the county selected:
  - Arrest Percentage shows the rate of arrests to traffic stop made
  - Arrests by Race shows the amount of individuals of a certain race who make up the total arrests.



- **Relative Rate Index (RRI)** compares the rate for persons identified as white to the rate for each racial group. The corresponding number provides a number to measure disparities among different racial groups. Selecting a race shows a ratio of the selected race compared to the white population that were subject to Traffic Stops, Physical Forced Used during Traffic Stops, Searched during traffic stop, or arrested as a result of a traffic stop:



*Hovering over a RRI visualization will provide a description on how to read the graph.*